

REMARKS

In view of the preceding amendments and the following remarks, reconsideration of the present application is respectfully requested. Claims 12-20 were pending in the application. The Drawings were objected to under 37 CFR 1.83(a). Claim 20 was withdrawn by the Examiner. Claims 12-19 were rejected under 35 USC 112, second paragraph, and 35 USC 103(a) as being unpatentable over Horton, et al., in view of Gronemeyer. By this amendment, Fig. 3 is corrected, Claim 20 is canceled, and claims 12-19 are amended. No new matter is introduced by these amendments.

A replacement sheet is included herein for Fig. 3. Such has been amended to label the "interrupt" and "host reference clock" signals from GPS-digital 310 to phone CPU 324. Furthermore, GPS-digital f-gen 310 element has been given the additional label of "(NCO)" to recognize that the numeric controlled oscillators (NCO) disclosed in the Detailed Description of the Embodiments are actually implemented within such chip.

Claims 12 and 19 are amended to overcome the 35 USC 112, second paragraph, rejections. In Claim 12, the word "such" has been replaced with "a" to provide antecedence. In Claim 19, the offending phrase, "with event timing being phased by using offsets", has been deleted.

Claims 12-19 adhere to the disclosure in the Specification from page 8, line 33, to page 11, line 32. An apparatus is detailed in the Specification from page 8, line 33, to page 11, line 8; while a method is taught in the Specification on page 11, lines 32. The apparatus is further illustrated in Fig. 3. The element numbers from Fig. 3 are recited in these new claims as appropriate to make the recitations very clear.

Claims 12-19 were rejected under 35 USC 103(a) as unpatentable over Horton, et al., in view of Gronemeyer. Horton, et al., describes using a frequency synthesizer that is shared in a single portable device between two parts, e.g., a communications transceiver and a GPS navigation receiver. Each part can assist the frequency stability of the frequency synthesizer to extract benefits from the other part by providing it a better frequency reference.

What is not taught by the cited prior art is a configuration that can provide on-demand frequency channel changes from the GPS-part 302 to the communications part 304. Nor is it disclosed that these changes can be demanded to occur at particular times with respect to predefined events. E.g., at Specification Page 10, "The host can then chose different frequencies, via the communication between the host CPU 324 and GPS digital chip 310....The phone part 304 can request a general frequency number by sending a

desired frequency....It can control when the VCO is turned onto the frequency to be used, e.g., 12.6MHz for the Japanese PDC system." These elements are reflected in dependent Claims 13-18.

Nor is it disclosed that a low-frequency osc3 314 is provided in front of a clock selector to enable a low-power time-keeping only mode.

It was evidently assumed in the Office Action that the GPS-digital 310 input clock from selector 316 was simply switched to slow down the GPS processing. In fact, the GPS processing is suspended, and a real time clock function is kept alive while the rest is hibernating. The Specification provides that this hibernation can be commanded by the communications-part 304. The low-frequency clock is then used to run a timer that can be consulted when the GPS receiver resumes full operation. For more background and understanding, a prior patent application was incorporated by reference, e.g., Docket 734-11, titled Real Time Clock (RTC), inventor P.McBurney, filed 19-Feb-02, serial number 10/079,253. The present Specification teaches, "A low frequency oscillator is selected for low-power time maintenance, and is typically a 32-KHz crystal." Page 10.

Claim 12 is amended to recite these distinctions more clearly and fully. In view of these amendments, it should be clear that the cited prior art discloses similar technology,

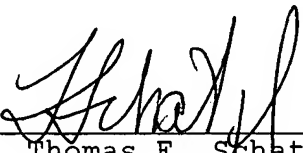
but that the claimed present invention improves over such conventional configurations. For example, to support frequency hopping by the communications-part 304.

Accordingly, in view of the preceding amendments and remarks, it is respectfully submitted that the pending application, with pending Claims 12-19, is in condition for allowance and such action is respectfully requested.

Should the Examiner be of the opinion that a telephone conference with Applicant's attorney would expedite matters, he is invited to contact the undersigned at the telephone number listed below.

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Respectfully submitted,

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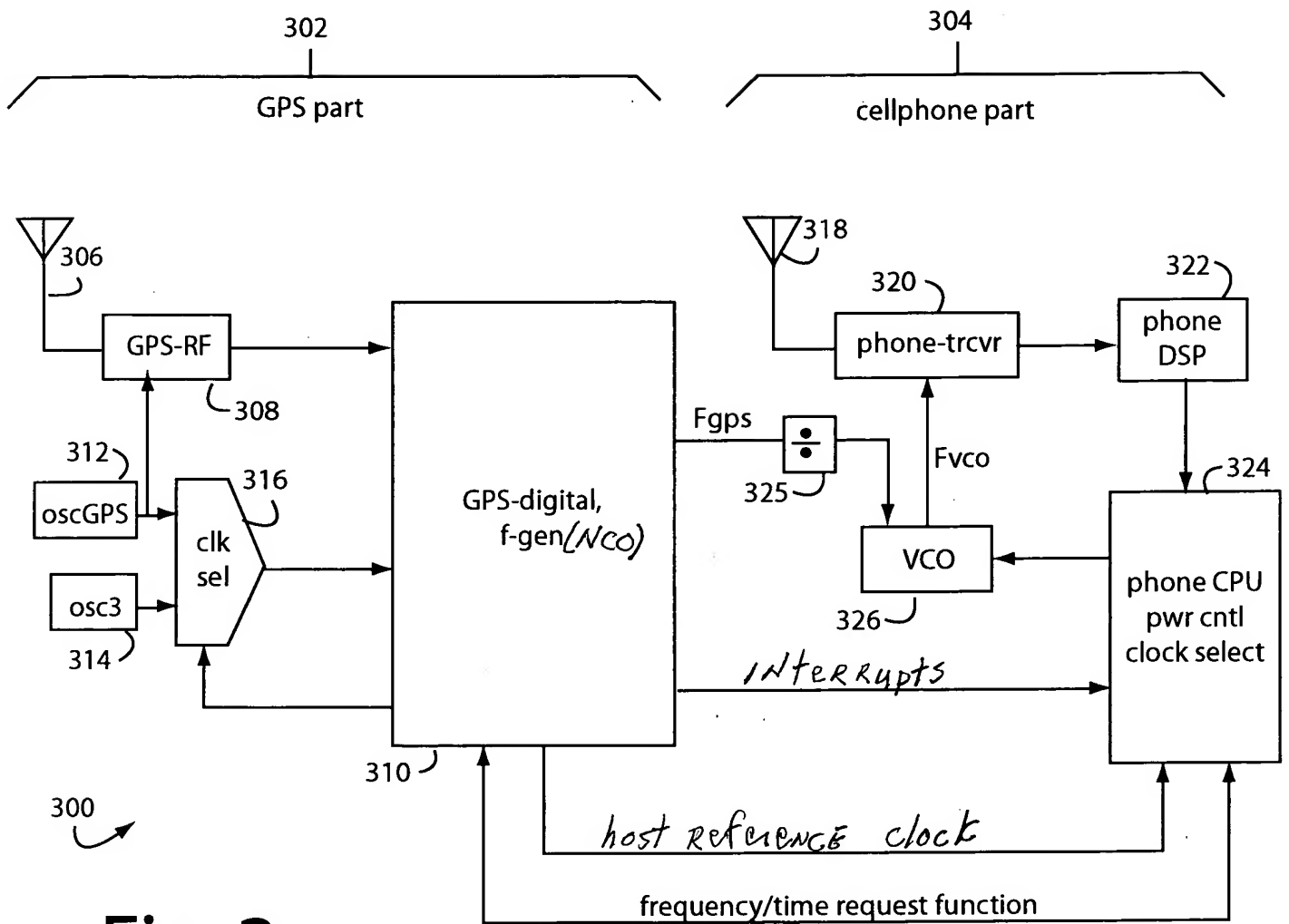


Fig. 3